



# FACILITY COMPLIANCE AUDIT REPORT

## Division of Waste Management Solid Waste Section

<b>UNIT TYPE:</b>											<b>COUNTY:</b> Iredell <b>PERMIT NO.:</b> 49-03 <b>FILE TYPE:</b> COMPLIANCE
Lined MSWLF	<b>X</b>	LCID		YW		Transfer		Compost	<b>X</b>	SLAS	
Closed MSWLF		HHW		White goods	<b>X</b>	Inciner		T&P	<b>X</b>	FIRM	
CDLF	<b>X</b>	Tire T&P / Collection	<b>X</b>	Tire Monofill		Industrial Landfill		DEMO		SDTF	

**Date of Audit:** May 29, 2009

**Date of Last Audit:** January 27, 2009

**FACILITY NAME AND ADDRESS:**

Iredell County Landfill  
 354 Twin Oaks Road  
 Statesville, North Carolina 28625

**GPS COORDINATES:** N: 35.77114

W: 80.82346

**FACILITY CONTACT NAME AND PHONE NUMBER:**

David Lambert, Solid Waste Director (704) 878-5430

**FACILITY CONTACT ADDRESS:**

Same

**AUDIT PARTICIPANTS:**

David Lambert, Solid Waste Director  
 Terry Church, Landfill Supervisor  
 Charles Gerstell, NCDENR-Solid Waste Section

**STATUS OF PERMIT:**

The Permit to Operate a Municipal Solid Waste Landfill Unit Phase 4 was issued on July 30, 2008 and shall expire on July 30, 2013.

**PURPOSE OF AUDIT:**

Comprehensive Audit

**NOTICE OF VIOLATION(S):**

None

You are hereby advised that, pursuant to N.C.G.S. 130A-22, an administrative penalty of up to \$15,000 per day may be assessed for each violation of the Solid Waste Statute or Regulations. For the violation(s) noted here, you may be subject to enforcement actions including penalties, injunction from operation of a solid waste management facility or a solid waste collection service and any such further relief as may be necessary to achieve compliance with the North Carolina Solid Waste Management Act and Rules.

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**STATUS OF PAST NOTED VIOLATIONS:**

None

**AREAS OF CONCERN AND COMMENTS:**

1. The permit and operations plan were reviewed. These documents were current and available for review.
2. The facility is currently receiving approximately 601 tons of waste per operating day.

**Records Review:**

3. The financial assurance document was reviewed. Financial assurance was updated on February 18, 2009.
4. Water quality recorded were reviewed and were being performed semi-annually as required.
5. Methane monitoring is being performed quarterly as required.
6. Leachate sampling is being performed semi-annually as required.
7. The leachate inspection log was reviewed and maintenance is being performed as required.
  - Leachate lines were last flushed with water on January 8, 2009.
  - Leachate lines were last viewed by camera on October 28, 2008.
  - The leachate lagoon is inspected monthly and repairs documented when needed. Two small holes observed near the top of the liner were repaired in April 2009.
8. Waste screening forms were reviewed. The documents appeared to be complete.
9. Tire certification forms were reviewed and found to be properly completed and signed.
10. Certified Landfill Managers: David Lambert (expires 5/7/10)  
Terry Church (expires 5/7/10)  
Susan Cornell (expires 5/7/09)
11. Certified Landfill Operations Specialists: Randy Bass (expires 3/12/10)  
Wesley Feimster (expires 3/12/13)  
Jeff Freeze (expires 3/12/10)  
Terry Mills (expires 2/3/13)

**Operations inspection of the MSW Landfill Unit**

12. Waste is currently being placed into Phase 4.
13. Waste exposed from installation of methane wells on north side of phase 3 has been covered with soil as requested on the last inspection report dated January 12, 2009.
14. Waste exposed by the installation of a drainage swale on the north side of phase 3 has been covered with soil as requested on the previous inspection report.
15. One tire was observed at the toe of the working face at the time of inspection. This tire was removed from the working face during the inspection.
16. A non-perforated drum was observed at the toe of the current working face. To allow these items to be disposed of in the landfill, 15A NCAC 13B .0542(e)(1) requires that containers such as tubes, drums, barrels, tanks, cans, and bottles be empty and perforated to ensure that no liquid, hazardous or municipal solid waste is contained therein.
17. A load of non-perforated gas tanks was turned away from the landfill during the inspection.
18. Operational cover was inadequate on inactive areas north of the current working face and on the east side of the current cell adjacent to Phase 3. 15A North Carolina Administrative Code 13B .1626(2)(a) requires that owners or operators of all MSWLF units cover disposed solid waste with six inches of earthen material at the end of each operating day, or at more frequent intervals if necessary, to control disease vectors, fires, odors, blowing litter, and scavenging. **A minimum of six inches of cover must be provided to all inactive areas within 10 days of this dated audit report.**
19. It appeared that geotextile fabric covering the gravel columns located on the floor of Phase 4 was being removed prior to waste being installed over the columns.
20. Windblown waste was well managed at the time of inspection.

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21. All access roads were stable and in good operational condition.

Operations Inspection of the C&D Landfill Unit:

- 22. Iredell County has ceased operation of the C&D Landfill and has started closure procedures.
- 23. Iredell County discontinued the acceptance of waste in the C&D landfill unit on June 27, 2008 per correspondence by David Lambert dated January 13, 2009.
- 24. Iredell County has bored numerous holes throughout the landfill in order to determine the depth of soil cover. Forty-five of the bored holes were observed and soil depth was found to be 2-feet or greater in all locations with the exception of one hole located within the old access road located on the southwest portion of the landfill. This may have been the result of the existence of gravel that was used as a base layer for the access road.
- 25. Multiple areas throughout the landfill have been seeded with only slight germination of seed. Work needs to continue to stabilize all bare and eroded areas with a groundcover sufficient to restrain erosion.
- 26. Slight erosion was observed on the slopes of the landfill. Majority of these eroded areas were observed on the eastern slopes. An area of significant erosion was observed beneath a slope drain that has been installed at the southern portion of the landfill. Efforts must be taken to ensure that the slope drain is properly installed, and all eroded areas must be repaired and stabilized with an adequate groundcover.

Operations Inspection of the White Goods Collection Area:

- 27. This area was well managed at the time of inspection. No white goods containing freon were present at the time of inspection.

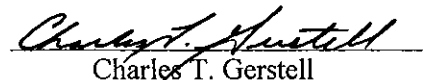
Operations Inspection of the Tire Collection Area:

- 28. This area was well managed at the time of inspection. All tires were being collected into covered trailers and were being stored properly.

Operations Inspection of the Treatment and Processing:

- 29. This area was well managed at the time of inspection.
- 30. A Small Type 1 Composting Unit Acknowledgement was approved for Permit #49-03 on September 5, 2008.
- 31. Only material currently being ground is land clearing debris and wood pallets.

Please contact me if you have any questions or concerns regarding this audit report.

  
Charles T. Gerstell  
Environmental Senior Specialist  
Regional Representative

Phone: (704) 235-2144

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cc: Mark Poindexter, Field Operations Branch Supervisor  
Deb Aja, Western District Supervisor  
Alan Gaither, Environmental Engineer